

	APOLLO HOSPITALS, SECUNDERABAD	AAC- 06b
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Man's quest to conquer disease and prolong life has resulted in today's multifaceted healthcare system. With the goal of bringing health care based on international standards within the reach of every individual, the Chairman of Apollo Hospitals group, Padmabhushan Dr. Prathap C Reddy, a visionary deemed to be the father of modern Medicare has brought in the concept of corporate hospitals in our country in 1983.

It started with it's mission :

- To bring international standards of health care within the reach of common man.
- To allow doctors and other medicare specialists to utilize and better their skills in an ethical, professional and world class hospital facility.

The department of laboratory services of Apollo Hospitals,Secunderabad occupies an area of 670 sq ft in the First floor of the hospital building, which is easily accessible to appropriate personnel, while maintaining certain degree of privacy and seclusion for tests to be carried out in a safe and efficient manner.

The laboratory strives to achieve quality performance in par with the mission of the hospital which states the following, "Our mission is to bring health care of international standards within the reach of every individual. We are committed to the achievement and

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maintenance of excellence in education, research and health care for the benefit of humanity”

The department is equipped with biochemical, haematological and serological automated analysers which perform basic and special investigations on blood and various body fluids. The tests performed and equipments are elaborated in Annexures-2&8 of Laboratory Manual.

A standardized set of protocols are followed to assure and maintain quality of services provided, which encompasses daily quality controls, participation in external proficiency programmes, regular evaluation of compiled data with initiation of corrective and preventive actions, regular training sessions for the laboratory staff and periodic maintenance as well as calibration of equipments.

Stations / counter / area	Process
Clinical pathology	All stool, urine and semen samples are analysed. Section equipped with Urine Analyser, Dedicated Microscope and a Centrifuge.
Haematology	Routine blood counts, coagulation studies, malarial parasite detection, and peripheral smear examination are done. Section equipped with Automated Cell

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	Counter, Coagulometer, Nycocard reader and Microscope.
Serology	Routine tests are conducted both manually and by Chemiluminescence techniques. Section equipped with Automated analyser.
Biochemistry	All routine chemistry analyses like Glucose, Liver function tests, Lipid profile, calcium, urea, uric acid, amylase, electrolytes, blood gases etc., are carried out by using fully automated Random Access Chemistry Analysers and Blood gas analyser.

List of Investigations

Biochemistry

Test/Profile	Individual Tests
Diabetes Testing	
	GLUCOSE (FASTING)
	GLUCOSE (POST PRANDIAL)
	GLUCOSE (RANDOM)
	ORAL GLUCOSE TOLERANCE TEST
	(ADA PROTOCOL)
	GLUCOSE (FASTING)
	GLUCOSE (2 HOURS)
	ORAL GLUCOSE TOLERANCE TEST
	(STANDARD)

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	GLUCOSE (FASTING)
	POST-GLUCOSE LOAD SAMPLES
	ORAL GLUCOSE CHALLENGE TEST (GESTATIONAL SCREEN)
	GLUCOSE (1 HOUR) IN RANDOM STATE
	ORAL GLUCOSE TOLERANCE TEST (GESTATIONAL DIABETES)
	GLUCOSE (FASTING)
	GLUCOSE(1 HOUR)
	GLUCOSE (2 HOURS)
	GLUCOSE(3 HOURS)
	GESTATIONAL DIABETES (NEW PROTOCOL)
	GLUCOSE (FASTING)
	GLUCOSE(1 HOUR)
	GLUCOSE (2 HOURS)
Lipid Profile	
	CHOLESTEROL(TOTAL)
	CHOLESTEROL(HDL)
	TRIGLYCERIDES
	CHOLESTEROL(LDL-CALCULATED)
	CHOLESTEROL(TOTAL/HDL)RATIO
Liver Function Test	
	BILIRUBIN(TOTAL)
	BILIRUBIN(CONJUGATED)
	BILIRUBIN(UNCONJUGATED)
	ALKALINE PHOSPHATASE(ALP)
	ALANINE AMINOTRANSFERASE(ALT)
	ASPARTATE AMINOTRANSFERASE(AST)
	GAMMAGLUTAMYLTRANSPEPTIDASE(GGTP)
	PROTEIN(TOTAL)

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	ALBUMIN
	GLOBULINS-CALCULATED
	A/G RATIO -CALCULATED
Kidney Function Test	
	BLOOD UREA/ NITROGEN
	CREATININE
	URIC ACID
Electrolytes	
	SODIUM(NA+)
	POTASSIUM(K+)
	CHLORIDE(Cl-)
	BICARBONATE(HCO3)
Cardiac Enzymes	
	ASPARTATE AMINOTRANSFERASE(AST)
	CREATIINE PHOSPHOKINASE (CK)
	LACTATE DEHYDROGENASE(LDH)
Others	
	CALCIUM
	PHOSPHORUS
	AMYLASE
	BLOOD GASES
BODY FLUIDS	GLUCOSE, PROTEIN, LDH, AMYLASE, URIC ACID, ALBUMIN,

Haematology

Test/Profile	Individual Tests
CBP WITH ESR	
	Hb
	PCV/HCT
	TOTAL WBC COUNT(TLC)

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	DIFFERENTIAL COUNT (DLC)
	PERIPHERAL SMEAR (PS)
	PLATELET COUNT (PLT)
	ERYTHROCYTE SEDIMENTATION RATE (ESR)
	MCV
	MCH
	MCHC
COAGULATION PROFILE:	
	PT
	APTT
	TT
	FACTOR XIII SCREENING
	PLATELET COUNT/MORPHOLOGY
	BT & CT
HEMOPARASITES	
	PERIPHERAL SMEAR (PS)
	BLOOD PARASITES(MICROFILARIA)
	BLOOD PARASITES (MALARIA)
	PARASITE - F
	PARASITE INDEX
COMPLETE URINE EXAM	
	SPECIFIC GRAVITY
	PH
	SUGAR
	PROTEIN
	BILE SALTS/BILE PIGMENTS
	BLOOD
	UROBILINOGEN
	KETONES

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	NITRITES
	URINE SEDIMENT Microscopic Exam
Misc	SICKLING TEST
	RETICULOCYTE COUNT
	NASAL SMEAR FOR EOSINOPHILS

STOOL EXAMINATION	
	STOOL ROUTINE/OVA & CYST
	OCCULT BLOOD

Serology & Microbiology

	Individual Tests
Screening	PREGNANCY TEST
	VDRL
	HIV (SPOT)
	HBSAG(SPOT)
	HCV(SPOT)
	CRP
	ASO
	RA FACTOR
	PROCALCITONIN

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Blood Bank

Individual Tests	
Blood Group & Rh Typing	

BODY FLUIDS	Individual Tests
	SEMEN ANALYSIS
	CSF
	PLEURAL FLUID
	ASCITIC FLUID
	GASTRIC FLUID
	SYNOVIAL FLUID
	CAPD FLUID
	BAL

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